

Tuesday 16th June 2020 – Fundraising (problem solving)

A class of 32 children decide to save for charity for 1 year. The children agree that the minimum amount to be given by each child every month is 35p.

- 8 children give the minimum amount (group A)
- 9 children give the minimum amount plus an extra 12p each (group B)
- 7 children give the minimum amount plus an extra 24p each (group C)
- 5 children will give twice the minimum amount (group D)
- The rest of the class each give 75p (group E)
- The teacher gives £1 (group F)

How much do the class and their teacher raise in total in one year?

COMPLETE THE REST OF THE TABLE

Group	How many in the group? <i>(This needs to total 32 + the teacher)</i>	Money to be collected per month	Money to be collected per year (x12)
A	8	35p	£2.80
B	9	47p	£4.23
C	7	59p	£4.13
D	5	70p	£3.50
E	3	75p	£2.25
F (teacher)	1	£1	£1
			TOTAL PER MONTH = £17.91
			TOTAL PER YEAR = £214.92

NOW MULTIPLY THIS BY 12

Extra challenge - a local company offers to give an extra bonus of 15%, what is the new total raised? 15% of £214.92 = £32.238 so the new total = £247.158 so £247.16